

Native Dutch iris Iris hybrid Lectin (IRA), Colloidal Gold-Conjugated

Cat. No. IRA-115D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Dutch iris Iris hybrid Lectin (IRA) - Colloidal Gold Blood Group Specificity: Non-specific Preferred Sugar Specificity: N-Acetylgalactosamine Inhibiting or Eluting Sugar: N-Acetylgalactosamine Divalent Ions: None Required Excitation: 550 nm Emission: 570 nm Hazardous Shipping: Non-hazardous
Species	Dutch iris
Source	Dutch iris
Description	Purified IRA is conjugated to colloidal gold. The surface of the colloidal gold particle displays both electrostatic and hydrophobic properties. For conjugation to gold sol, the electrostatic interactions must be reduced so that the hydrophobic interactions can succeed. The pH of the gold sol is adjusted to give the net charge of the protein zero, or slightly negative. This prevents the aggregation of the protein due to electrostatic attraction while maintaining the hydrophobic interactions. This product comes in a stabilized liquid form and is suitable for light and electron microscopy.
Form	Liquid

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Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.
Concentration	1 mg/mL
GENE INFORMATION	
Official Symbol	IRA
Synonyms	Iris hybrid Lectin; IRA

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